



SWARC NEWS

Notes from K7RLH

Well, the first, of our two holiday-type meetings, is in the book. Suffice it to say that no one left with an empty stomach. Thanks to all who provided food/drink for the event. There was no program and lots of lively discussion and camaraderie was shared around the tables.

We ask you to keep the following in your thoughts and prayers:

Gary, KO4LQX, was not present and I have not heard him on the nets. I reached out to him and he advised that he is in remission based upon his latest MRI. However, he hasn't been on nets, particularly in the evening, because his throat condition causes him to 'lose' wind by the end of the day and he cannot talk very long.

Kenny, KJ4CVK, is back on the air and participating in and calling some nets. However, he continues to have health challenges, specifically, he is waiting on his prostheses to be delivered.

News flash: Miss Velda, K4VJC, after six long months was allowed to go outside and seems to be making continued progress. She obviously still has a long road to full recovery. Please keep Velda and Mike (KD4MC) Callam and family in your thoughts and prayers.

Steve, KA0GMY, continues to have some significant health issues, so remember him, Steve Jr., and Miss Gloria as well.

Paul Nicholson was sick and absent this meeting and he and his wife are expecting their fourth child very soon.

Look for other news and info in the body of the newsletter.

SWARC de K7RLH

Notes from KO4ZFO

Hello South Wake ARC members!

Thank you all to those who attended and provided food and drinks for the meal. I want to wish everyone a safe and joyous Thanksgiving and I look forward to seeing you in December, which is the annual hors d'Oeuvres and fancy desserts social!

SWARC de KO4ZFO

SWARC 2 November 2022 Meeting Recap

Since we currently have no club secretary, here is a recap of the meeting.

There was lots of really good food to be enjoyed by the attendees listed below.

Attendees included:

Richard Hall (K7RLH), Bill Blomgren (KK4QDZ), Rodney Warren (KO4ZFO), Al Crawford (WA4TCJ), Linda Crawford (KI4LO), Mike Gaither (K4MWG), Bernie Jones (N4BAJ), Don Nicholson (KN4OEY), Brian Knox (KK4BK), Dave Krum (NW3U) and Miss Penny, Greg Gabry (N9PGG) and guest Carlton Robinette (KD4IOM).

Old/Unfinished Business (This will remain until the committee has resolved the constitutional change and brought it up for vote to the membership.)

Our constitution requires at least 30% of 'full' membership to be present to enable business to be conducted. I believe that means that all business we have conducted in recent history is in violation of our constitution and that must be changed so that the club can function properly. **We appreciate each and every one of you that renews each year whether or not you attend a meeting, but that doesn't address the current issue. Stay tuned for future announcement of potential revisions to our governing document. Of course, that may require a vote by email, which is a less than desirable process and outcome.**

I have appointed Brian, KK4BK, and Bernie, N4BAJ, to assist me with the review of the constitution.

We only have one key to the radio room, which is kept in the lock box by the door. Members wishing to access the radio room should contact one of the officers for the key box combination.

New Business

Information was shared that the Legion cut down the tree(s) where our HF dipole was hung so it is currently on the ground. This was done without prior notice and we didn't have the opportunity to properly remove it as we had asked. This led to discussion on the document/agreement that was worked on several years ago, but never put forth for signing by the American Legion and SWARC. The members present felt that we should formalize this and get something in writing to protect our assets and access to same.

Food for Thought

Because there was no program, the conversations took whatever turns that people made. One thing that was discussed was the idea of having 'hybrid' meetings in the future on the nights when we have a program utilizing Zoom and the equipment that the club purchased to help facilitate that. So, we convened an impromptu board meeting to discuss our plans. Brian, KK4BK, agreed to allow us to use his Zoom account for the time being as we try out the proposed arrangement. Rodney,

KO4ZFO, our VP has a sound mixing board that we will experiment with to see if we can improve sound quality for all attending, whether in person or on the Zoom call. We will keep you updated on this effort.

License Upgrade Opportunity (It's not too late, you've only missed two sessions)

A free, weekly, live, Amateur Radio General Class Licensing course on Zoom will begin on Thursday, Oct 27 and will run through Thursday, January 5. There will be 9 sessions, with two breaks for holidays. The three-hour sessions will start at 6:30 PM Eastern Time. Sessions will be recorded. These are the classes that we have been holding for years sponsored by the National Electronics Museum. Please publicize this with anyone that you think would be interested. Those wishing to sign up should email roland.anders@comcast.net.

Thanks.

73,

Rol Anders, K3RA

Presentation Topic

NONE.

TREASURER'S REPORT

Christy Fernandini was not present so I will forward the club treasury info after she provides her monthly recap.

MEMBERSHIP

You can bring a check or cash for dues to the next meeting or mail them to the club PO box and Christy will let me know she has received them. Also, you can now renew somewhat online by contacting Christy and giving her the appropriate

credit card info for the 'Square' account. Christy's email is
christyfernandini@outlook.com

Makes checks payable to South Wake ARC.

Send it to South Wake ARC – PO Box 1565 – Fuquay Varina, NC 27526

Steve,

WB4SMS

NET REPORT

SWARC Group – October 2022

We have three individuals who can be referred to as net check in champs for October; they are Bill, KK4QDZ, Al, WA4TCJ and Richard, K7RLH. The monthly total of check-ins was 320 (wow)! Note that **not** all net controls record their counts so numbers could be higher than recorded.

I look forward to hearing you on the net!

- Saturday and Sunday evenings will be called by KT4JR & K7RLH
- KO4ZFO will call Monday evenings
- KA0GMY will call Tuesday evenings (backup is K7RLH)
- KK4BK will call Wednesday evenings except on meeting nights
- KJ4CVK will call Thursday evenings
- Fridays will continue to be called by NC4MP
- And we need backups – JUST BECAUSE.

Please contact Richard Hall, K7RLH, if you are interested in calling one or more nets.

Public Service

Check the HPSNC.org web site often for Public Service opportunities.

The public service season is upon us and events need volunteers.

Note: the public season is now closed until the spring.

SWARC Mission Statement

South Wake ARC's primary purpose is to further the Amateur Radio Service through programs, activities, and education, in order to promote the radio knowledge, fraternalism and individual operating efficiency of its members. Further, it shall be our purpose to support the welfare of our community through public service including radio communications for emergency situations and public events, and through providing information, training, and assistance to individuals or organizations with an interest in the Amateur Radio Service.

BOARD OF DIRECTORS

President

Richard Hall--K7RLH

Vice President

Rodney Warren—KO4ZFO

Secretary

Vacant

Treasurer

Christy Fernandini - KJ4AEO

Member-At-Large

Al Crawford – WA4TCJ

Member-At-Large

Bernie Jones – N4BAJ

Member-At-Large

Mike Gaither –
K4MWG

Member-At-Large

Brian Knox--KK4BK

Membership Chair

Steve Suzanne—
WB4SMS

Appointed Positions

NET MANAGER

Kenny Souther-KJ4CVK

Special Events Director

Gino Fernandini –KI4YXO

Public Service Director

David Krum – NW3U

LINKS (if you have other links you want added then send them to me)

PRN

A Wide Area Digital Amateur Radio Network

www.ncprn.net

GigaParts

www.gigaparts.com

QRZ

www.qrz.com

Ham Radio Outlet HRO

www.hamradio.com

Raleigh Amateur Radio Society RARS

www.rars.org

Johnson Amateur Radio Society JARS

www.jars.net

South Wake Amateur Radio Club SWARC

www.southwakearc.com

Carolina 440 Network

www.carolina440.net

_North Carolina Packet

www.ncpacket.com

_TARPN (Terrestrial Amateur Packet Radio Net)

www.tarpn.net

Useful Ham Info

www.torborg.com/a

_Car Radio Development History

<https://www.titlemax.com/articles/the-history-of-the-car-radio/>

ARRL News

Australian Radio Amateurs May Move to a Class Licensing Structure

Australia's radiocommunications regulator, the [Australian Communications and Media Authority](#) (ACMA), is proposing to move the country's radio amateurs to a class license, which is intended to simplify administration of the Amateur Radio Service.

Currently, Australia's radio amateurs are regulated under an apparatus license, with privileges and conditions set out in a Radiocommunications License Conditions Determination. Australian hams pay an annual license fee of A\$55.00 (US\$35.68), but under the proposed class license, annual license renewal payments would end.

The ACMA reports that the current consultation follows extensive public feedback on the [review of the non-assigned licensing arrangements](#) conducted between February and April 2021. The review's principal objective was to identify the most appropriate licensing mechanism that would reduce regulatory burden and minimize costs for amateur radio operators, while preserving the operational utility for amateurs.

The ACMA says they will carefully consider responses received to the current consultation. As stated in the consultation paper, subject to the outcomes of the current consultation and the implementation of supporting operational and administrative arrangements, the ACMA intends to implement the proposed class-licensing arrangements on July 1, 2023.

[The Wireless Institute of Australia](#) (WIA) is the national member organization representing the interests of Australian radio amateurs and is a member of the International Amateur Radio Union (IARU). The WIA has a well-credentialed working group developing their response to the ACMA's proposals. The ACMA's deadline for receiving responses is November 29, 2022.

The WIA's working group intends to open a survey in early November to gauge the views of the Australian radio amateur community.



"As this is going to be a quantum step in the evolution of amateur licensing in Australia, such as we have not seen previously, the details need close and careful consideration," said working group leader Peter Young, VK3MV. Peter has been licensed since 1964 and has a background in maritime communications engineering. He is a former Regional Manager with the ACMA and, since retiring, held positions with the WIA as a Director on the WIA Board, and Director with IARU Region 3.

Thanks to Peter Young, VK3MV, Media Advisor Naazbano Schonberger, ACMA, and WIA for their help and contributions to this story.

Veterans Day 2022 Special Events

Veterans Day is Friday, November 11, 2022, and will feature many opportunities for amateur radio operators to celebrate and honor Veterans throughout the holiday weekend.

Special event stations will be on the air across the county, including the Redding Veterans Amateur Radio Club, W6VET, in Redding, California, and the Veterans Day commemoration onboard the USS *Kidd* (DD-661), a World War II Fletcher-class destroyer, with the USS KIDD Amateur Radio Club in Baton Rouge, Louisiana.

The [Strategic Air Command & Aerospace Museum](#) in Ashland, Nebraska, has a full day of activities planned on November 11, including an amateur radio demonstration by the [Strategic Air Command Memorial Amateur Radio Club](#) (SACMARC) using the historic call signs of General Curtis Emerson LeMay, K0GRL, and the Offutt Air Force Base, K0AIR.



The American Legion Amateur Radio Club, K9TAL, is located at their national headquarters in Indianapolis, Indiana. Any station that contacts K9TAL on Veterans Day will receive a special QSL card.

The Wisconsin Maritime Museum in Manitowoc, Wisconsin, will celebrate Veterans Day on November 12 - 13, 2022. The USS Cobia Amateur Radio Club will be onboard and on the air from the USS *Cobia* World War II submarine. A commemorative QSL card will be issued for contacts made during the 2-day event.

A complete list of special event stations, including Veterans Day stations, is available at www.arrl.org/special-event-stations. Use "Veterans" in the keyword search.

ARRL Headquarters will be closed on Friday, November 11, in observance of Veterans Day. There won't be a W1AW bulletin or code practice transmissions on that day. ARRL HQ will reopen on Monday, November 14, at 8:00 AM EST.

ARDC is Looking for Volunteers for its Advisory Committees

Amateur Radio Digital Communications (ARDC) is looking for volunteers for its 2023 Grants Advisory Committee (GAC) and Technical Advisory Committee (TAC).

The GAC reviews proposals submitted by organizations seeking ARDC grants. The committee usually meets twice a month for at least an hour, with additional time spent reviewing proposals and email correspondence that happen between meetings. The estimated time commitment from a volunteer on this committee is about 2 - 5 hours per week.

The TAC advises ARDC's staff and Board on 44Net technology, architecture, and policy. The TAC usually meets once or twice a month for at least an hour. Additional time may be spent working on or attending meetings related to projects, such as refining 44Net use-cases and standards, developing a new 44Net portal, and developing a proposal for Points of Presence (PoPs).

If you're interested in joining either committee, please send a resume and brief cover letter to contact@ardc.net by November 12, 2022.

For more information on the GAC, go to www.ampr.org/now-accepting-applications-for-grants-advisory-committee. For more information on the TAC, go to www.ampr.org/now-accepting-applications-for-the-2023-technical-advisory-committee.



The K7RA Solar Update

Tad Cook, K7RA, of Seattle, Washington, reports for this week's ARRL Propagation Bulletin:

Solar activity perked up this week. The average daily sunspot number rose from 58.4 to 70.3, and solar flux averages increased from 113.3 to 129.9.

There are still problems with the Fredericksburg magnetometer, so I did my own rough estimate of middle-latitude numbers. I wish I could substitute the Boulder numbers, but I cannot find a source for the data outside of purely graphic representations.

<https://www.swpc.noaa.gov/products/station-k-and-indices>

Planetary A index averages went from 19.4 to 13.7, and middle latitude estimated numbers changed from 9.1 to 12.6.

The solar flux prediction shows the highest values over the next week, starting with 130 on November 3 - 4; 135, 130, 135, 130, and 135 on November 5 - 9; 115 on November 10 - 12; 112 on November 13 - 14; 110 on November 15; 108 on November 16 - 18; 104 on November 19; 100 on November 20 - 23; 98 on November 24 - 25; 100, 105, 105, and 110 on November 26 - 29; 112 on November 30 through December 2, and 118 on December 3 - 6.

Predicted planetary A index is 12 on November 3 - 4; 20, 15, and 8 on November 5 - 7; 5 on November 8 - 9; 18, 18, and 15 on November 10 - 12; 5 on November 13 - 17; 25, 15, and 8 on November 18 - 20; 5 on November 21 - 22; 8, 15, and 25 on November 23 - 25; 15 on November 26 - 27; 18, 12, 10, 12, 20, and 15 on November 28 through December 3, and 5 on December 4 - 6.

New videos from Dr. Tamitha Skov, WX6SWW:

<https://youtu.be/gO0wP6eiS8I>

Part 3 of her mini-course:

<https://youtu.be/-X-zE44x5Fk>

Sunspot numbers for October 27 through November 2, 2022, were 72, 87, 97, 68, 56, 63, and 49, with a mean of 70.3. The 10.7-centimeter flux was 129.7, 129.3, 133.9, 130.5, 127.9, 128.1, and 129.7, with a mean of 129.9. Estimated planetary A indices were 9, 16, 26, 12, 11, 8, and 14, with a mean of 13.7. Middle latitude A index was 6, 15, 24, 14, 12, 6, and 11, with a mean of 12.6

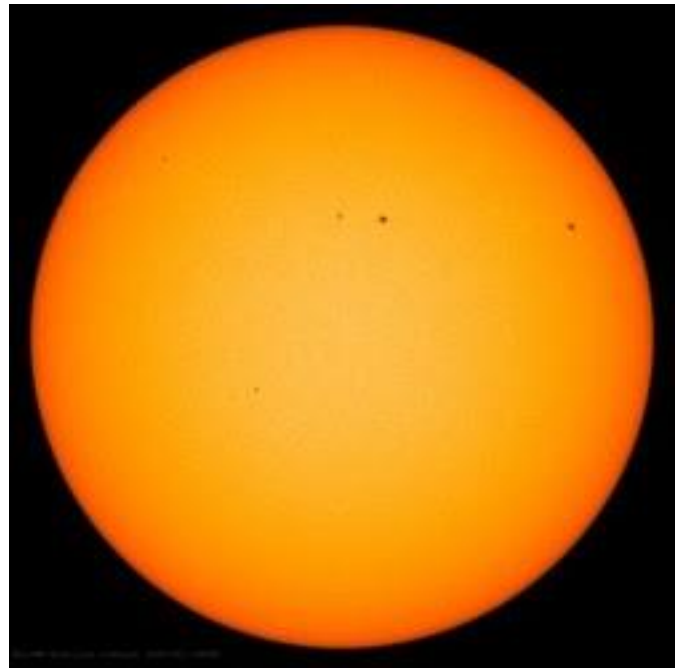
Send your tips, questions, or comments to k7ra@arrl.net.

A comprehensive K7RA Solar Update is posted Fridays on the ARRL website. For more information concerning radio propagation, [visit](#) the ARRL Technical Information Service, [read](#) "What the Numbers Mean..." and [check out](#) the Propagation Page of Carl Luetzelschwab, K9LA.

A propagation bulletin [archive](#) is available. For customizable propagation charts, visit the [VOACAP Online for Ham Radio](#) website.

[Share](#) your reports and observations.

A weekly, full report is posted on [ARRL News](#).



Solar disk image taken November 3, 2022, courtesy of NASA SDO/HMI.

Just Ahead in Radiosport

- November 5 -- IPARC Contest (CW)
- November 5 - 7 -- ARRL Sweepstakes Contest (CW)
- November 6 -- IPARC Contest, SSB (phone)
- November 6 -- High Speed Club CW Contest (CW)
- November 7 -- RSGB 80-Meter Autumn Series, Data (digital)

- November 8 -- Worldwide Sideband Activity Contest (phone))
- November 8 -- ARS Spartan Sprint (CW)
- November 9 -- VHF-UHF FT8 Activity Contest (FT8)
- November 10 -- EACW Meeting (CW)

Visit the [ARRL Contest Calendar](#) for more events and information.

Upcoming Section, State, and Division Conventions

- November 5 - 6 | [Stone Mountain Hamfest](#), hosting the ARRL Georgia Section Convention, Lawrenceville, Georgia
- November 12 | [Montgomery ARC Hamfest](#), hosting the ARRL Alabama State Convention, Montgomery, Alabama
- November 12 | [Rock Hill Hamfest](#), hosting the ARRL South Carolina Section Convention, Rock Hill, South Carolina
- December 9 - 10 | [Tampa Bay Hamfest](#), hosting the ARRL West Central Florida Section Convention, Plant City, Florida
- January 7 | [Ham Radio University](#), hosting the ARRL New York City-Long Island Section Convention, an Online Event
- January 20 - 21 | [Southwest Florida Regional Hamfest](#), hosting the ARRL Southern Florida Section Convention, Fort Myers, Florida
- January 27 - 28 | [Capital City Hamfest 2023](#), hosting the ARRL Mississippi State Convention, Jackson, Mississippi
- January 28 | [Winterfest](#), hosting the ARRL Midwest Division Convention, Collinsville, Illinois
- February 10 - 12 | [Orlando HamCation](#), hosting the ARRL Southeastern Division Convention, Orlando, Florida
- February 25 | [HAM-CON](#), hosting the ARRL Vermont State Convention, Colchester, Vermont

Search the [ARRL Hamfest and Convention Database](#) to find events in your area.

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- Listen to [ARRL Audio News](#), available every Friday.
- *The ARRL Letter* is available in an accessible format, posted weekly to the [Blind-hams Groups.io](#) email group. The group is dedicated to discussions about amateur radio as it concerns blind hams, plus related topics including ham radio use of adaptive technology.

Subscribe to...

- [NCJ -- National Contest Journal](#). Published bimonthly, features articles by top testers, letters, hints, statistics, scores, NA Sprint, and QSO parties.
- [QEX -- A Forum for Communications Experimenters](#). Published bimonthly, features technical articles, construction projects, columns, and other items of interest to radio amateurs and communications professionals.

Free of charge to ARRL members...

- [Subscribe](#) to the *ARES Letter* (monthly public service and emergency communications news), the *ARRL Contest Update* (biweekly contest newsletter), Division and Section news alerts and much more!
- Find ARRL on [Facebook](#)! Follow us on [Twitter](#) and [Instagram](#)!

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HAMFEST INFORMATION

The following hamfests have been scheduled for 2022.

JARSfest is November 20th in Benson. Check out jars.net.

Alan, AB4OZ, will have a free swapfest Saturday, the 10th of December, at the Golden Corral parking lot, 3551 Grenelle St., Raleigh (NW corner of 401 and Tryon Rd). Setup time is 9:00 am and fest starts at 10:00 am although most folks will sell if you want to buy something even as they are unloading their gear and paraphernalia!